



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D206-642-313MB
Job Sheet 189417



008336

Part No: D206-642-313MB

Job Qty: 1 pcs

Part Name: Skidtube LH, Low & High Gear with Run-on Landing Wearplates, Matte Black



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/24/19

Job Tracking No:

Due Date: 3/8/19

Created By: Jesse White

Type: SOLD

Description:

Note: DWG REV Q SHEETS 29-30 IPP REV:A 11.11.18 NEW ISSUE DD VERF:

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs	3/8/19		0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		
							Packaging 1 - 31		

68-6

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SV

MAR 07 2019

Fgb6



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL : 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S161268



Part: D206-642-313MB

Job No: 189417

Serial No/Batch: S161268

Revision:

Inspector:

Exp Date:

Instructions: TC STC SH98-4 Issue 2, FAA STC SA00475SI

120 QC 4	1 pcs	3/8/19	0.00 0.00	Packaging 1 - 32	
				Packaging 1 - 33	
				Packaging 1 - 34	
				Packaging 1 - 35	
				Packaging 1 - 36	
				QC 4 - 26	
				QC 4 - 28	
				QC 4 - 38	
				QC 4 - 42	
				QC 4 - 58	
130 Packaging 3-1 - Stock - B4B	1 pcs	3/8/19	0.00 0.00	QC 4 - 6	
				QC 4 - 69	MAR 12 2019 DAS 69 9-89
				QC 4 - 9	
				QC 4 - 46	
				Packaging 3 - 1 - B4B	MAR 12 2019 DAS 69 9-89
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
135 DC - 1 - B4B	1 pcs	3/8/19	0.00 0.00	Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
140 QC 21 - FG	1 pcs	3/8/19	0.00 0.00	Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
135 DC - 1 - B4B	1 pcs	3/8/19	0.00 0.00	Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
140 QC 21 - FG	1 pcs	3/8/19	0.00 0.00	Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
140 QC 21 - FG	1 pcs	3/8/19	0.00 0.00	Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
140 QC 21 - FG	1 pcs	3/8/19	0.00 0.00	Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
135 DC - 1 - B4B	1 pcs	3/8/19	0.00 0.00	DC - 1 - B4B	MAR 12 2019
				DC - 2 - B4B	
140 QC 21 - FG	1 pcs	3/8/19	0.00 0.00	QC 21 - FG - 21	
				QC 21 - FG - 70	MAR 12 2019 DAS 70 9-89

Part Op 110 - Packaging1-2 (Pick Kit) Pick Kit

Descriptions: 120 - QC4 (QC4- 100% Inspect kits for completeness) QC4- 100% Inspect kits for completeness

130 - Packaging3-1 (Identify as per dwg & Stock Location: _____) Identify as per dwg & Stock Location: _____

Identify and pack for shipping as per PPP D206-642-313 Location: _____ PPP Rev: _____

135 - DC (Document Control) Document Control Photocopy bluefile and create labels per PPP D206-642-313 CHG001

140 - QC21 (QC21- Final Inspection - Work Order Release) QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-41A	Bolt	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5133784
AN4-6A	Bolt	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	5074205k7
AN4C5A	Bolt	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5057496.1
AN5-10A	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5135805
AN5-11A	Bolt	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5148846
AN5-12A	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5003926
D206-642-351	Replacement Skidtube, Low & High Gear, Run-on Landing Wearplates Fits LH or RH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5148061
D206-648-013	Ground Handling Wheel Modification	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5133784 5161263
D2652-90	Bushing	16 pcs (16 ea)	110-Packaging 1 - Pick Kit	5136093
D2712	Set Screw	10 pcs (10 ea)	110-Packaging 1 - Pick Kit	5059551
D2932-1 PHI	Saddle LH Out, 206	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5149839
D2933-1 PHI	Saddle LH In, 206	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5149836
D2934	Saddle Spacer	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5054584
D2935	Saddle Spacer	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5054582
D2938-1 PHI	Saddle LH Out, 206	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5149826
D2939-1 PHI	Saddle LH In, 206	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5149815
D3407-043	Tow Ring	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5152561
D3413-1	O-Ring	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5149839 5165886
D3456-1	Washer	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5079335
D3457-1	Washer	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5088582
MS21042L3	Nut	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5130347
MS21042L4	Nut	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	5149814
MS21043-4	Nut	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5149143
NAS1149C0463R	Washer	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5124667
NAS1149D0363J	Washer	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5152662
NAS1149D0463J	Washer	24 Ea (24 ea)	110-Packaging 1 - Pick Kit	5150216
NAS1149D0563J	Washer	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5156080 5123450

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	AN3-41A	8	119	0
	AN4-6A	12	625	0
	AN4C5A	1	43	0
	AN5-10A	4	194	0
	AN5-11A	8	211	0
	AN5-12A	4	334	0
	D206-642-351	1	3	0
	D206-648-013	1	5	0
	D2652	16	546	0
	D2712	10	581	0
	D2932-1	1	3	0
	D2933-1	1	2	0
	D2934	2	45	0
	D2935	2	48	0
	D2938-1	1	3	0
	D2939-1	1	2	0
	D3407-043	1	9	0
	D3413-1	1	37	0
	D3456-1	1	172	0
	D3457-1	2	31	0
	MS21042L3	8	1,850	0
	MS21042L4	12	1,575	0
	MS21043-4	1	1,126	0
	NAS1149C0463R	1	437	0
	NAS1149D0363J	8	971	0
	NAS1149D0463J	24	2,677	0
	NAS1149D0563J	8	1,019	0
Part Specifications				
Specifications could not be found.				



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Canada

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D206-642-313MB
Job Sheet 189417



Part No: D206-642-313MB

Job Qty: 1 ea

Part Name: Skidtube LH, Low & High Gear with Run-on Landing Wearplates, Matte Black



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/24/19

Job Tracking No:

Due Date: 3/8/19

Created By: Jesse White

Type: SOLD

Description:

Note: DWG REV Q SHEETS 29-30 IPP REV:A 11.11.18 NEW ISSUE DD VERF:

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		3/8/19	0.00	0.00	Start Up Stores/Pkg-1		
110	Packaging	1 pcs		3/8/19	0.00	0.00	Packaging1-2		
120	QC	1 pcs		3/8/19	0.00	0.00	QC4		
130	Packaging	1 pcs		3/8/19	0.00	0.00	Packaging3-1		
135	DC	1 pcs		3/8/19	0.00	0.00	DC		
140	QC21-FG	1 Ea		3/8/19	0.00	0.00	QC21		

Part Op 110 - Pick Kit

Descriptions: 120 - QC4- 100% Inspect kits for completeness

130 - Identify as per dwg & Stock Location: _____ Identify and pack for shipping as per PPP D206-642-313 Location:

_____ PPP Rev: _____

135 - Document Control Photocopy bluefile and create labels per PPP D206-642-313 CHG001

140 - QC21- Final Inspection - Work Order Release

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-41A	Bolt	8 Ea (8 ea)	90-Start up Operation	
AN4-6A	Bolt	12 Ea (12 ea)	90-Start up Operation	
AN4C5A	Bolt	1 Ea (1 ea)	90-Start up Operation	
AN5-10A	Bolt	4 Ea (4 ea)	90-Start up Operation	
AN5-11A	Bolt	8 Ea (8 ea)	90-Start up Operation	
AN5-12A	Bolt	4 Ea (4 ea)	90-Start up Operation	
D206-648-013	Ground Handling Wheel Modification	1 pcs (1 ea)	90-Start up Operation	
D2652	Bushing	16 Ea (16 ea)	90-Start up Operation	
D2712	Set Screw	10 pcs (10 ea)	90-Start up Operation	
D2932-1	Saddle LH Out, 206	1 pcs (1 ea)	90-Start up Operation	
D2933-1	Saddle LH In, 206	1 pcs (1 ea)	90-Start up Operation	
D2934	Saddle Spacer	2 pcs (2 ea)	90-Start up Operation	
D2935	Saddle Spacer	2 pcs (2 ea)	90-Start up Operation	
D2938-1	Saddle LH Out, 206	1 pcs (1 ea)	90-Start up Operation	
D2939-1	Saddle LH In, 206	1 pcs (1 ea)	90-Start up Operation	
D3407-043	Tow Ring	1 pcs (1 ea)	90-Start up Operation	
D3413-1	O-Ring	1 pcs (1 ea)	90-Start up Operation	
D3456-1	Washer	1 pcs (1 ea)	90-Start up Operation	
D3457-1	Washer	2 pcs (2 ea)	90-Start up Operation	
MS21042L3	Nut	8 Ea (8 ea)	90-Start up Operation	
MS21042L4	Nut	12 Ea (12 ea)	90-Start up Operation	
MS21043-4	Nut	1 Ea (1 ea)	90-Start up Operation	
NAS1149C0463R	Washer	1 Ea (1 ea)	90-Start up Operation	
NAS1149D0363J	Washer	8 Ea (8 ea)	90-Start up Operation	
NAS1149D0463J	Washer	24 Ea (24 ea)	90-Start up Operation	
NAS1149D0563J	Washer	8 Ea (8 ea)	90-Start up Operation	
D206-642-351	Replacement Skidtube, Low & High Gear, Run-on Landing Wearplates Fits LH or RH	1 Ea (1 ea)	110-Packaging	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QS1042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3-41A	8	119	0
	AN4-6A	12	625	0
	AN4C5A	1	43	0
	AN5-10A	4	194	0
	AN5-11A	8	211	0
	AN5-12A	4	334	0
	D206-648-013	1	1	0
	D2652	16	346	0
	D2712	10	581	0
	D2932-1	1	3	0
	D2933-1	1	2	0
	D2934	2	45	0
	D2935	2	48	0
	D2938-1	1	3	0
	D2939-1	1	2	0
	D3407-043	1	9	0
	D3413-1	1	44	0
	D3456-1	1	172	0
	D3457-1	2	31	0
	MS21042L3	8	1,961	0
	MS21042L4	12	1,603	0
	MS21043-4	1	1,190	0
	NAS1149C0463R	1	443	0
	NAS1149D0363J	8	937	0
	NAS1149D0463J	24	2,713	0
	NAS1149D0563J	8	1,027	0
110-Packaging	D206-642-351	1	0	0

Part Specifications

Specifications could not be found.

Plex 1/24/19 8:41 AM dart.white.jesse

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Linda Lacelle

From: Lacey Cantin
Sent: Wednesday, March 6, 2019 9:35 AM
To: Linda Lacelle
Cc: Caitlin Crooks; Jean-Luc Menard
Subject: RE: 12608

Customer confirmed he is good with your proposed solution to be able to ship on time ☺

From: Linda Lacelle
Sent: March 5, 2019 3:11 PM
To: Lacey Cantin <lcantin@dartaero.com>
Cc: Caitlin Crooks <ccrooks@dartaero.com>; Jean-Luc Menard <jmenard@dartaero.com>
Subject: RE: 12608

merci

From: Lacey Cantin <lcantin@dartaero.com>
Sent: Tuesday, March 5, 2019 3:11 PM
To: Linda Lacelle <llacelle@dartaero.com>
Cc: Caitlin Crooks <ccrooks@dartaero.com>; Jean-Luc Menard <jmenard@dartaero.com>
Subject: RE: 12608

Hi Linda,

I left a phone message with the buyer and also followed up with an email to both him, and the managing director – will let you know as soon as I have a response.

Thanks,
Lacey

From: Lacey Cantin
Sent: March 5, 2019 2:47 PM
To: Linda Lacelle <llacelle@dartaero.com>
Cc: Caitlin Crooks <ccrooks@dartaero.com>; Jean-Luc Menard <jmenard@dartaero.com>
Subject: RE: 12608

Hi Linda,

I will call the customer to confirm and get back to you shortly.

Thanks!
Lacey

From: Linda Lacelle
Sent: March 5, 2019 2:33 PM
To: Lacey Cantin <lcantin@dartaero.com>
Cc: Caitlin Crooks <ccrooks@dartaero.com>; Jean-Luc Menard <jmenard@dartaero.com>
Subject: 12608

Lacey,
We have a backlog on the machines to make saddles, due to some engineering parts we need to make. I am proposing the following

All parts for the skidtubes are powder coated – black sandtex, but we have some saddles (PHI) in stock, which are spray painted mat black. This, however, would not match the rest of the powder coated parts in the skidtube kit (tow rings, GHW lugs etc). keep in mind that the crosstubes are all spray painted mat black, so they will match the saddles.

If you look at the attached pic, you will see very little difference from the saddles to a black sandtex part.

I need to know if this would be acceptable to the customer, otherwise, I will need to push this order out by another 10 days – MARCH 26th

Pls let me know asap

Fulcrum Concepts LLC	Lacey Cantin	PO101446	12608	D206-642-313MB	Skidtube LH, Low & High Gear with Run-on Landing Wearplates, Matte Black
Fulcrum Concepts LLC	Lacey Cantin	PO101446	12608	D206-642-314MB	Skidtube RH, Low & High Gear with Run-on Landing Wearplates, Matte Black

Fulcrum Concepts LLC	Lacey Cantin	PO101446	12608	D407-667-105MB	Fwd Crosstube - High 407, Matte Black	:
Fulcrum Concepts LLC	Lacey Cantin	PO101446	12608	D407-667-205MB	Aft Crosstube - High 407, Matte Black	: